

## BEST AVAILABLE COPY

### Abstract

Technical Field: A reinforced fiber sheet used as a reinforcing material of the fiber that reinforces a composite material that is manufactured following the carding of bundled fibers.

Technical Problem: Provide a carding machine that smoothly produces a carded sheet from the bundled fibers of reinforced filaments.

Solution Method: One or more supportive part (254) is placed in a plane or a crescent form at certain intervals along the moving direction of the bundled fibers in a carding unit (25) to card them with a fluid before and after the supportive parts, improving the carding efficiency.

Major Application: Aerospace, land transportation, shipping, building, construction, industrial parts, and sporting goods.